

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re application of: Steve Ingistov

Serial No.: 09/288,943

Filed: 4/9/99

Group: 3745

Examiner: Kwon

For: "Turbine Power Plant Having Minimal-
Contact Brush Seal Augmented
Labyrinth Seal"

Box DAC
Assistant Commissioner for Patents
Washington, D.C. 20231

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T. Lindsey Scott
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REQUEST FOR RECONSIDERATION

In response to the decision on Petition to Make Special filed April 9, 1999, wherein the Petition was dismissed under 37 C.F.R. 1.102(c) on the basis that the Applicant failed to provide a statement explaining how the invention contributes to either (a) the discovery or development of energy resources or (b) the more efficient utilization and conservation of energy resources, please consider the following statement in connection with the utility of the present invention.

The present invention is related to a stationary gas turbine for generating electricity. The turbine comprises an axial compressor in conjunction with a gas turbine. The present invention relates to an improved seal between the axial compressor and the gas turbine whereby the efficiency of the process is improved. The process is fueled by natural gas and produces electricity. In particular reference is made to issued patent 5,961,279 (the '279 patent), the parent application to the subject application (copy attached).


In the '279 patent, the problems solved by the present invention are described in column 1, lines 12-39. The invention generally comprises an improved seal, which reduces the leakage of excess compressed air into a chamber containing a seal between the axial compressor and the turbine. This improvement results in a reduction of the amount of natural gas required to produce a given quantity of electricity, thereby increasing the equipment efficiency. As

indicated at column 6, lines 53-61, it is estimated that the saving per machine as a result of the installation of the present invention will be on the order of \$25,000 per machine with approximately one and one-half megawatts of additional power output per typical installation as a result of the use of the seal of the invention.

It is believed that this statement clearly demonstrates that the invention of the present application is related to the more efficient utilization and conservation of energy resources as required under MPEP 708.02,IV.

Accordingly, it is respectfully requested that this Petition to Make Special be reconsidered with respect to the denial under 37 C.F.R. 1.102(c).

Respectfully submitted,



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